Pub. 988-0147-871

PPP-15
Portable Power Pack
Installation Instructions

This ice fishing power pack is designed for use with the following products: Lowrance® X67C sonar and M68C sonar/GPS combo.

Even though it was designed for ice fishing, this power pack can also extend your sonar's use into warm weather angling. It's ideal for fishing from a dock or pier. Crappie fishermen who tie up to drowned trees will find the PPP-15 useful for that type of stationary fishing as well.

With an optional portable Skimmer® transducer, you can run the unit in your own boat, or take it along as a second sonar in a friend's boat. The versatile color sonars that are compatible with the PPP-15 have scrolling chart displays as well as flasher displays, making them fully functional for both boat trolling and stationary use.

The PPP-15 package includes: freeze resistant power pack carry bag, base plate, quick release mounting bracket, rechargeable gel cell battery, battery charger, ice fishing transducer, transducer mounting rod, swing arm and adjustment lock for holding the mounting rod, and the nuts and bolts needed to assemble the power pack.

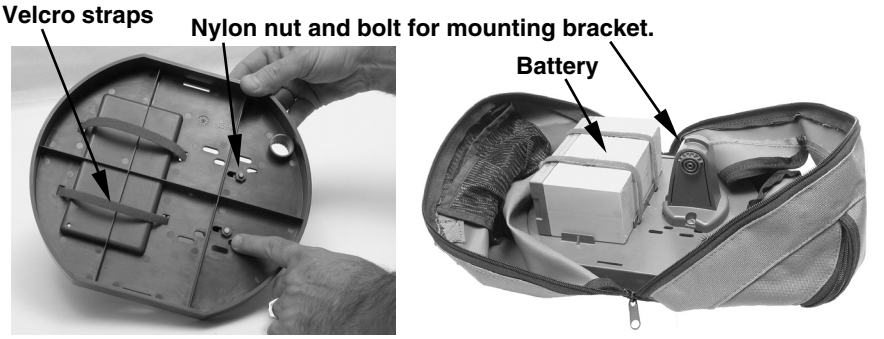
PPP-15 Portable Power Pack with transducer installed. Shown with the X67C IceMachine™ .

When assembled, the pack is designed to fit comfortably inside a typical 5-gallon plastic bucket. This power pack can also use an optional battery adapter that holds eight "D" size batteries.

You can assemble everything without tools, but it's easiest if you have a screwdriver, and perhaps a small adjustable wrench or pair of wire pliers.

INSTALL MOUNTING BRACKET

1. Attach the quick release mounting bracket to the base with the two nylon nuts and bolts. See the following figure.



Secure mounting bracket to base plate as shown at left, and slide the battery straps through the slots on either side of the tray.

2. Slide the Velcro® straps through the slots on either side of the battery tray as shown in the preceding figure.

BATTERY CARE

Battery charger's indicator light glows red when charging, green when battery is fully charged. To charge, attach red connector to red (positive) contact and black connector to black (negative) contact.

Make sure the battery is fully charged before you use the PPP-15 for the first time. When fully discharged, it takes approximately nine hours to recharge the battery. Under ordinary operating conditions, the battery will run your unit with the backlight on for approximately 24 hours before it needs recharging. (Battery capacity will vary depending on the temperature and water depth.)

To charge the battery, plug the charger into a 110 VAC electrical outlet, then connect the red lead to the red battery contact and connect the black lead to the black battery contact. When you plug in the charger, the indicator light glows green to indicate it is receiving power. When you connect the battery, the light turns red, showing it is charging. When the light turns green again, the battery is fully charged.

You can recharge the battery after every fishing trip, even if the battery was not fully discharged. This will always keep the unit ready for your next fishing expedition. Disconnect the battery when stored for long periods of time. You should also consider charging the battery once a month while in storage. Your sonar's Ice Flasher page includes a battery gauge so you can monitor how much power you have remaining.

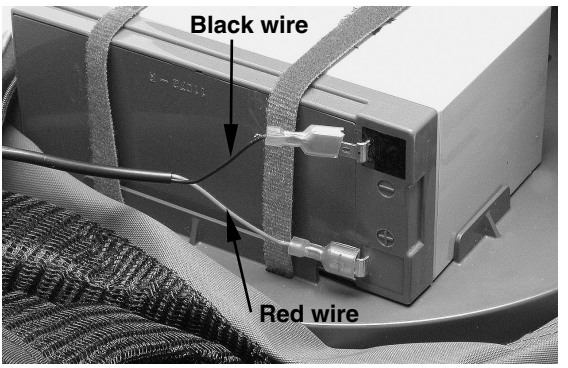
BATTERY INSTALLATION

1. Position the battery in the battery tray with the contacts pointed toward the rear of the base plate, away from the mounting bracket.

Place battery into battery tray as shown.

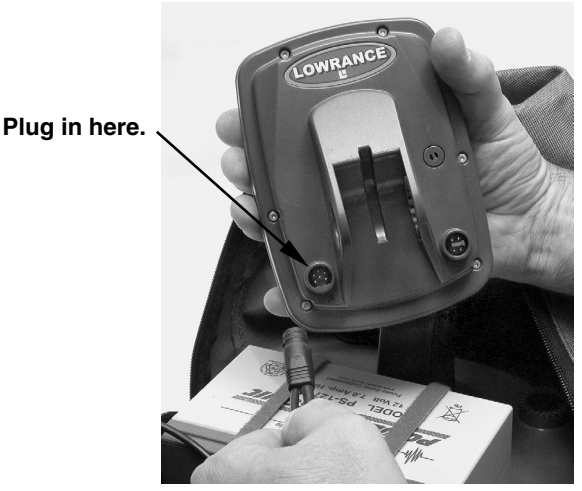
2. Secure the battery in the tray with the Velcro straps.

3. Attach the power leads from the power/transducer cable to the battery contacts or terminals. Connect the red wire to the red or positive terminal and connect the black wire to the black or negative terminal.



Battery shown connected to sonar unit's power leads.

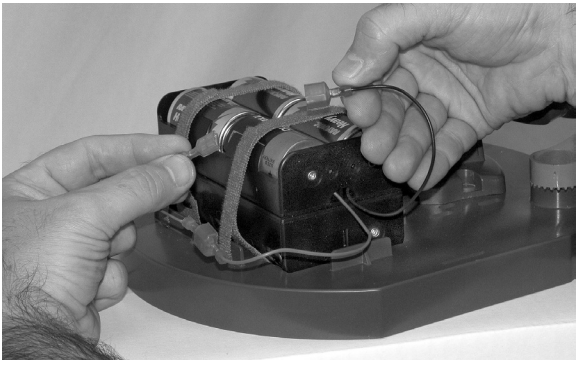
4. Plug the cable's uniplug push-on connector into the socket on the back of the sonar unit. See the following figure.



Connect the sonar unit to the power/transducer.

CAUTION:

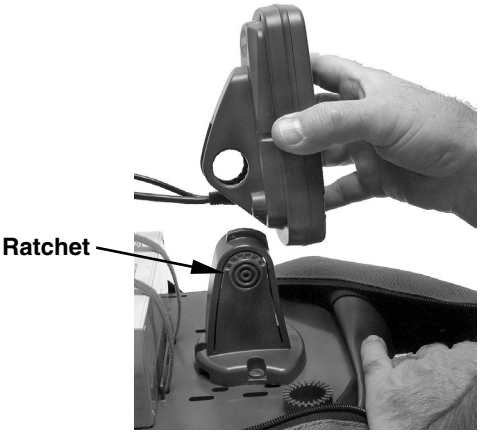
When using the sonar in a saltwater environment, we strongly recommend that you unplug the red and black power connectors from the battery terminals when the unit is not in use. When the unit is turned off but still connected to a power supply, electrolysis can occur in the power cable plug. This may result in corrosion of the plug body along with the electrical contacts in the cable and the unit's power socket.



Optional D cell battery adapter. Connect black to black and red to red.

MOUNTING THE UNIT

1. After the power cable is attached, hold the sonar unit vertically and slide it onto the bracket from above. (The back of the unit should be touching the front of the bracket as you lower it into position.) As you push down, the unit will lock into place with a distinct click.



Mount the sonar: slide the unit onto the bracket from above. To adjust view: press and release spring-loaded ratchets while tilting the unit.

2. To adjust the viewing angle, pinch the quick-release mount's ratchets with one hand, then tilt the unit with your other hand. Release the ratchets and the unit locks into the new position. To remove the unit from the PPP-15, press the ratchets and lift the unit off the bracket. (An optional quick release mounting bracket and an optional swivel base are available for mounting your sonar in a boat.)

3. Turn the sonar unit on. If it works, turn it off and finish assembling the ice fishing transducer. If it doesn't work, make sure the power leads are firmly connected to the battery terminals. Also make sure the lead colors match the battery terminal colors (red positive to positive and black negative to negative).

If it still doesn't work, check the battery voltage. Most complaints we hear about portable units result from batteries that have not been charged. If you are using the optional D dry cell battery adapter, be sure you use fresh batteries. In cold weather the efficiency of dry cell batteries drops with the temperature. We find it a good idea to have the batteries and the sonar unit good and warm before we leave home. (If you are using disposable D batteries, always remove them from the power pack when storing the unit because dead batteries can leak and corrode the contacts of the battery adapter.)

If the batteries do lose a charge, you can sometimes restore them by placing them in a warm room or car interior. A better way is to replace them with batteries that have been kept warm.

WARNING:

Never heat batteries over an open flame or direct hot air onto them. A fire or explosion could result.

MOUNTING THE TRANSDUCER

1. Slip the washer onto the transducer rod, followed by the transducer and the wing nut.

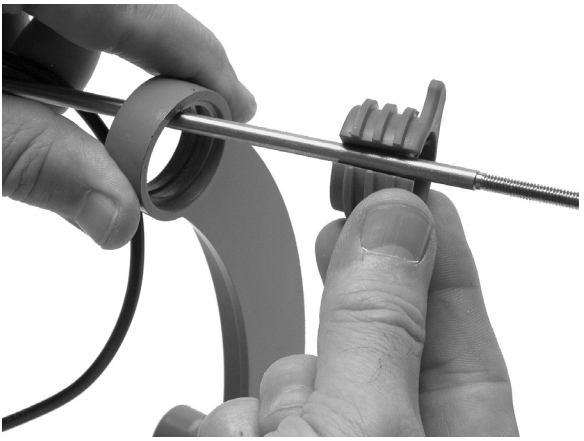
Assembled transducer, attached to the mounting rod.

2. The wing nut should be tightened enough to hold the transducer on the rod, but it should be loose enough to allow the transducer to swing freely. This allows the transducer to self-position itself straight down, for ideal ice fishing performance.

3. Grasp the assembled transducer and rod in one hand and thread the swing arm's socket end onto the rod.

Insert mounting rod through swing arm's socket, as shown.

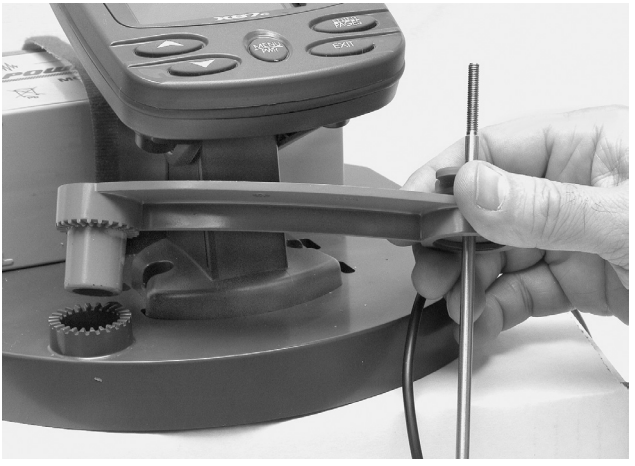
4. Snap the red rubber adjustment lock onto the rod and screw it into the swing arm's threaded socket. As the lock is screwed in, it tightens on the mounting rod, holding it in place.



Snap adjustment lock onto transducer mounting rod as shown, then screw it into the swing arm's socket.

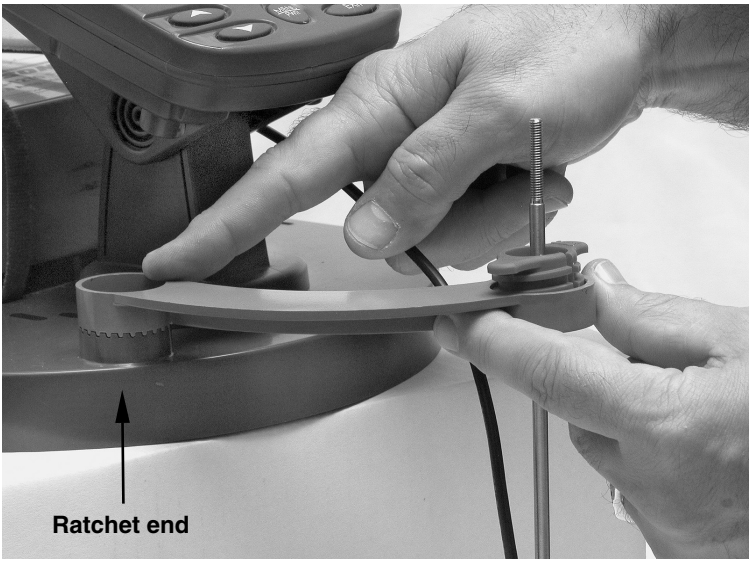
If you find the adjustment lock is too hard to turn, consider adding a small amount of petroleum jelly or silicone lubricant to the adjustment lock's threads. This will help the lock to turn more easily, which may be necessary in very cold environments.

5. Slip the assembled transducer rod and swing arm into the ratcheted swing arm socket on the front of the base plate.



Mount swing arm in ratcheted socket on base plate.

To adjust transducer depth, loosen the adjustment lock, slide the rod up or down, then retighten. To adjust lateral position in your fishing hole, simply nudge the arm to one side or another, then lightly press down on the arm's ratchet end to engage the ratchets. See the following figure.



Adjust transducer position by either loosening the red adjustment lock (for height), or rotating the swing arm (side to side). Press lightly on the ratchet end to hold the arm in position and resist side movement.

Tip:

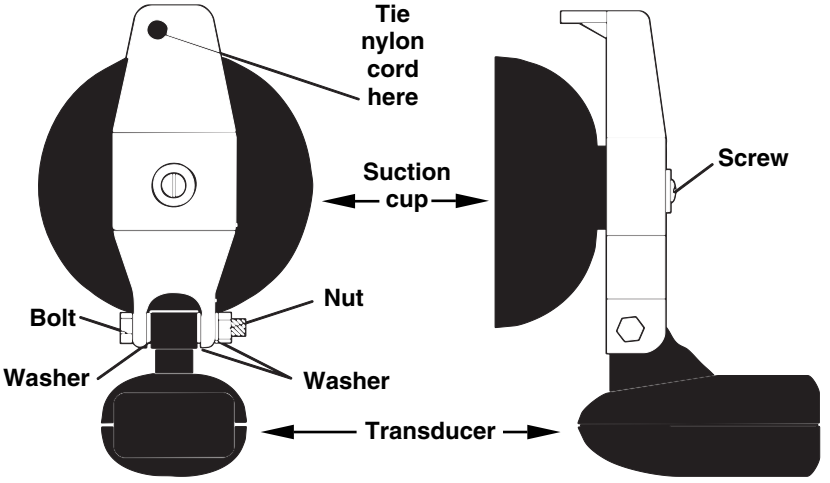
When landing a fish, push the arm to one side or just grab the swing arm, lift it out of your fishing hole and lay it to one side.

OPTIONAL PORTABLE TRANSDUCER ASSEMBLY

Assemble the Skimmer transducer and portable mounting bracket as shown in the following illustrations. (Skimmers are available with built-in temperature sensors, which allow your unit to display water temperature.)

Make sure there is one washer on each side of the transducer, inside the bracket. Slide the other washer over the end of the bolt and screw on the nut.

Screw the suction cup onto the bracket using the supplied screw and flat washer. Tie the nylon cord through the hole in the top of the bracket. When using the transducer, tie the other end of the nylon cord to the boat. This will help prevent losing the transducer if it comes off.



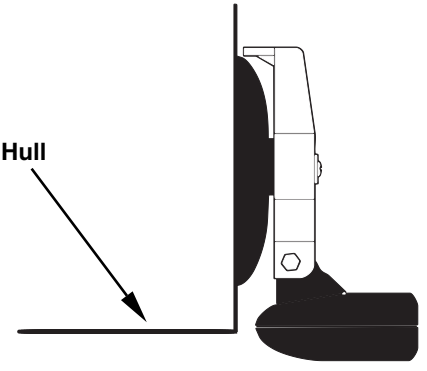
Portable transducer assembly: rear view (left) and side view (right.)

Clean the chosen area of the hull before attaching the suction cup. Locate the transducer on the hull as shown in the following figure. Don't let the bracket extend below the hull, because water pressure against it can cause the suction cup to come off at speed.

NOTE:

For optimum operation, the portable transducer should be adjusted so that it is parallel to the ground. For more information on this, see the segment in the unit's operation manual on Transducer Orientation and Fish Arches.

Moisten the suction cup, then press it onto the hull as firmly as possible. Tie the nylon cord to the boat and set the power pack and sonar unit in a location for easy viewing. Your portable sonar is now ready for use.



Portable transducer installed on boat transom.

STOWING FOR TRANSPORT

There is room inside the power pack bag for the portable transducer as well as the ice fishing transducer and the battery charger.

Fold the transducer against the rod, so it will fit inside the bag. Zip up the openings and your equipment is ready for transport.

PPP-15 ready for travel.

LOWRANCE ELECTRONICS
FULL ONE-YEAR WARRANTY

"We," "our," or "us" refers to LOWRANCE ELECTRONICS, INC., the manufacturer of this product. "You" or "your" refers to the first person who purchases this product as a consumer item for personal, family or household use.

We warrant this product against defects or malfunctions in materials and workmanship, and against failure to conform to this product's written specifications, all for one (1) year from the date of original purchase by you. WE MAKE NO OTHER EXPRESS WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER CONCERNING THIS PRODUCT. Your remedies under this warranty will be available so long as you can show in a reasonable manner that any defect or malfunction in materials or workmanship, or any non-conformity with the product's written specifications, occurred within one year from the date of your original purchase, which must be substantiated by a dated sales receipt or sales slip. Any such defect, malfunction, or non-conformity which occurs within one year from your original purchase date will either be repaired without charge or be replaced with a new product identical or reasonably equivalent to this product, at our option, within a reasonable time after our receipt of the product. If such defect, malfunction, or non-conformity remains after a reasonable number of attempts to repair by us, you may elect to obtain without charge a replacement of the product or a refund for the product. THIS REPAIR, OR REPLACEMENT OR REFUND (AS JUST DESCRIBED) IS THE EXCLUSIVE REMEDY AVAILABLE TO YOU AGAINST US FOR ANY DEFECT, MALFUNCTION, OR NON-CONFORMITY CONCERNING THE PRODUCT OR FOR ANY LOSS OR DAMAGE RESULTING FROM ANY OTHER CAUSE WHATSOEVER. WE WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR OTHER INDIRECT DAMAGE OF ANY KIND.

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This warranty does NOT apply in the following circumstances: (1) when the product has been serviced or repaired by anyone other than us; (2) when the product has been connected, installed, combined, altered, adjusted, or handled in a manner other than according to the instructions furnished with the product; (3) when any serial number has been effaced, altered, or removed; or (4) when any defect, problem, loss, or damage has resulted from any accident, misuse, negligence, or carelessness, or from any failure to provide reasonable and necessary maintenance in accordance with the instructions of the owner's manual for the product.

We reserve the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

REMINDER: You must retain the sales slip or sales receipt proving the date of your original purchase in case warranty service is ever required.

LOWRANCE ELECTRONICS
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How to Obtain Service...

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Contact the Factory Customer Service Department. Call toll-free:

***For Lowrance:* 800-324-1356. *For Eagle:* 800-324-1354**

8 a.m. to 5 p.m. Central Standard Time, M-F

Lowrance Electronics and Eagle Electronics may find it necessary to change or end their shipping policies, regulations and special offers at any time. They reserve the right to do so without notice.

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Contact the Factory Customer Service Department. Call toll-free:

800-661-3983

905-629-1614 (not toll-free)

8 a.m. to 5 p.m. Eastern Standard Time, M-F

...outside Canada and the USA:

Contact the dealer in the country where you purchased your unit. To locate a dealer near you, see the instructions in paragraph number 1 below.

Accessory Ordering Information

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1) Your local marine dealer or consumer electronics store. To locate a Lowrance dealer, visit the web site, www.lowrance.com, and look for the Dealer Locator. To locate an Eagle dealer, visit the web site, www.eaglesonar.com, and look for the Dealer Locator. Or, consult your telephone directory for listings.

2) U.S. customers: LEI Extras Inc., PO Box 129, Catoosa, OK 74015-0129 **Call toll free in the U.S., 800-324-0045**, 8 a.m. to 5 p.m. Central Standard Time, M-F, or visit our web site www.lei-extras.com.

3) Canadian customers: Lowrance/Eagle Canada, 919 Matheson Blvd. E. Mississauga, Ontario L4W2R7 or fax 905-629-3118.

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